MOVEit™ File Transfer and MOVEit Cloud: Compatible Secure File Transfer Clients

This document provides a three-step process for identifying which specific clients can best meet your requirements for exchanging files with MOVEit File Transfer and MOVEit Cloud. These steps consist of picking a transfer protocol (AS2, AS3, FTPS/TLS, HTTPS or SFTP/SCP2), identifying your client requirements (end-user or server-based, manual or automated), and then selecting specific clients (including Web browsers) by their transfer protocol and operating system.

Step 1: Pick the Protocol.

MOVEit File Transfer and MOVEit Cloud support all of these secure transmission methods:

AS2 and AS3 (Application Statement 2 & 3) protocols enable the secure exchange of data over the Internet. AS2 uses HTTPS to move data via Web servers; AS3 uses FTP to transfer data via either FTP or FTPS/TLS servers. Both provide data protection and non-repudiation using S/MIME, digital signatures and Message Disposition Notifications (MDNs) for data encryption, authentication, and data integrity checking. AS2 requires only a single open firewall port (443), which is open by default on almost all firewalls. AS3 via FTP requires only a single open port (21). AS3 via FTPS requires port 990 plus 4 or more consecutive "high" ports (1024 and above) be open.

FTPS / TLS (secure FTP over SSL) is popular on Windows, and native to many IBM mainframe and midrange systems. FTPS setup can be a bit complicated. FTPS has multiple SSL modes (IMPLICIT, TLS-P, TLS-C) and transfer modes (Active, Passive). Some mode combinations are considered less secure than others, and FTPS is not considered to be very firewall friendly.

There is no FTPS standard governing the number and range of firewall ports that must be open; it depends on the server being used. This means most firewalls are not configured for FTPS. FTPS is a multiple port/rarely open protocol. Some work may be needed to open, and keep open, all of the necessary ports on the local and remote firewalls that the transfers will pass through. MOVEit File Transfer and MOVEit Cloud have advanced features that make FTPS easier, such as needing as few as four contiguous open ports (some FTPS servers require 64,000) and supporting transfers with clients on NAT networks (some FTPS servers do not). MOVEit File Transfer and MOVEit Cloud support IMPLICIT and TLS-P andActive and Passive modes, which allows use of a variety of MOVEit and third-party FTPS clients.

SSH2 (Secure Shell 2) is a popular standard on Linux/UNIX hosts. It is used by Secure FTP over SSH (SFTP) and Secure Copy Protocol 2 (SCP2) clients. SSH2 is firewall friendly because it needs only one open firewall port (22), though this port is not always be open on every firewall. SSH2 is a single port/sometimes open protocol. This means some effort may be needed to get and keep port 22 open on local and/or remote firewalls. MOVEit File Transfer and MOVEit Cloud support SSH2-based file transfers by a variety of third-party SFTP and SCP2 clients. It should be noted that such transfers will be slower than those done using clients that use either the HTTPS or FTPS protocols.

HTTPS (HTTP over SSL) is an established Web standard used for commercial purposes. It is considered to be very firewall friendly. HTTPS requires only a single open firewall port (443), open by default on almost all firewalls because Web browsers use it to make secure connections.

HTTPS is a single port/always open protocol, which means it provides operational advantages over SSH2 and especially FTPS. Many MOVEit and third-party HTTPS-based clients, including a number of popular Web browsers, can be used to securely exchange files with MOVEit File Transfer and MOVEit Cloud.

Compatible Secure File Transfer Clients

Step 2: Identify Your Needs.

Certain types of clients are best suited for certain uses.

Files can be securely exchanged MOVEit File Transfer and MOVEit Cloud by end-user and backend systems, and on a manual or automated basis. Transfers involving backend systems can be managed on either a decentralized basis by applications on each system, or on a ce ntralized basis by an enterprise-level file transfer management program like MOVEit Central, or by a mix of both approaches. There are MOVEit and third-party secure file transfer solutions for each of these specific situations.

End-User Manual Transfers

While MOVEit and third-party FTPS and SFTP clients can be used to manually move files between desktops and MOVEit File Transfer or MOVEit Cloud, Web browsers are typically used for this purpose because they are free, come pre-installed on enduser systems, require little training or support, and are very firewall-friendly. Browsers do not need Java, ActiveX, plugins, or third-party encryption applications like PGP in order to securely exchange files with MOVEit File Transfer and MOVEit Cloud. Browsers have time -out limits and some have file size transfer limits; all lack some advanced security capabilities, including Non-Repudiation and Guaranteed Delivery (which can be supplied by using the free MOVEit Wizard ActiveX and Java Web browser clients).

End-User Automated Transfers

When minimal user involvement is desired or required, a variety of MOVEit and third-party HTTPS, FTPS/TLS and SFTP/SCP2 secure file transfer clients are available with built -in automation or the ability to be automated using scripts or batch files. A suitable HTTPS-based Windows desktop solution is the MOVEit EZ client, which can run up to 15 scheduled, automated upload and/or download file transfers tasks with MOVEit File Transfer or MOVEit Cloud.

GET YOUR FREE CLIENT TODAY

The free **MOVEit Wizard Web ActiveX and Java HTTPS** clients can be downloaded by authorized MOVEit File Transfer end-users.

The free **MOVEit Xfer Java and Windows command line HTTPS** clients can be downloaded from the MOVEit support site by MOVEit File Transfer licensees and evaluators.

The free **MOVEit Freely Windows FTP/FTPS** client can downloaded from various shareware sites.

The **MOVEit EZ Windows HTTPS automated** client can be downloaded for evaluation and purchased from Ipswitch.

Back-end System-Controlled Transfers

Various MOVEit and third-party AS2, AS3, FTPS/TLS, HTTPS, SFTP and SCP2 secure file transfer clients that can be automated and scheduled using job control and schedulers are available for mainframe, midrange, Linux/UNIX, and Windows systems. HTTPS-based clients include the MOVEit File Transfer API Java class and COM component (which provide secure, programmatic access to MOVEit File Transfer and MOVEit Cloud services), and the free, commercially supported MOVEit Xfer Java and Windows commandline clients.

Back-end Centrally-Controlled Transfers

MOVEit and third-party enterprise-level secure file transfer management applications are available for use with MOVEit File Transfer or MOVEit Cloud. The MOVEit Central file transfer management super -client can be used to automate, schedule and monitor the exchange of files between internal and external systems, including MOVEit File Transfer and MOVEit Cloud as well as secure and non-secure file, FTP, Web and email servers.

MOVEit Central does this using easy-to-create tasks (no scripting or other programming required). Central runs tasks on a scheduled, event-driven or on-demand basis. Tasks can also be controlled by third-party programs, scripts, and by developers via the optional MOVEit Central API Interface.

Central can transfer files using any combination of AS1, AS2, AS3, FTP, FTPS/TLS, HTTP, HTTPS, SFTP/SCP2, copying to the loca l file system and shared network folders, or by exchanging files via SMTP/POP3 email and/or S/MIME encrypted email. And Central can automatically process files during a transfer using built-in functions (including ZIP and OpenPGP) as well as with VBS scripts.

Every MOVEit client features a standard set of advanced capabilities (including cryptographically valid file integrity checking and resume and retry of interrupted transfers) that provide both Non-Repudiation and Guaranteed Delivery when exchanging files with MOVEit File Transfer and MOVEit Cloud.

IPSWITCH
FILE TRANSFER

Compatible Secure File Transfer Clients

Step 3: Choose Your Clients. On this page by protocol, client name, and OS.

HTTPS (HTTP over SSL) Clients

cURL (downloads only): AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HPUX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows
Internet Explorer Web Browser: Macintosh, Windows
Firefox Web Browser: any supported OS

MOVEit Central
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

MOVEit Central API Java Class
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

MOVEit Central API Windows COM Component
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

MOVEit File Transfer API Java Class
any OS with Java v.1.4 or higher

MOVEit File Transfer API Windows COM Component
Windows Vista Business Ed., 2003, XP, 2000, NT 4.0

MOVEit Wizard ActiveX Plugin
Internet Explorer Windows

MOVEit Wizard Java Plugin
Firefox Linux and Windows, Mozilla Linux and Windows
Netscape Linux and Windows, Opera Linux and Windows
Safari OS X

MOVEit Xfer Java
Any OS with Java v.1.4 or higher

MOVEit Xfer Windows
Windows Vista Business Ed., 2003, XP, 2000, ME, 98, NT

Mozilla Web Browser: any supported OS
Netscape Navigator Web Browser: Linux, Macintosh, Windows
Opera Web Browser: any supported OS
Safari Web Browser: OS X

AS2 and AS3 (SSL) Clients

Clients that are AS2 or AS3 certified by Drummond will be compatible with MOVEit File Transfer, including:

MOVEit Central
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

SSH2 SFTP and SCP2 Clients

Cyberduck: OS X v.10.3 or higher
Cyclone Commerce Interchange: Solaris
FileZilla: Windows
F-Secure SSH (including SCP2): Solaris, UNIX, Windows
Fugu: OS X v.10.3 or higher
IBM Ported Tools (OpenSSH): z/OS

SSH2 SFTP and SCP2 Clients

Ipswitch WS_FTP Pro
Windows

J2SSH: Java
MacSSH: OS X v.10.3 or higher
Magnetk sftpdrive: Windows

MOVEit Central
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

NET::SFTP (uses Net::SSH::Perl): Linux
OpenSSH for sftp: MVS, OS X v.10.3 or higher, Solaris, UNIX, Windows, z/OS v.1.4 or higher
PuTTY PSCAP and PSFTP: Windows, Windows NT for Alpha
Rbrowser: OS X v.10.3 or higher
SouthRiver Technologies WebDrive: Windows
SSH FileSystem (SSHFS): Unix (requires OpenSSH and FUSE)
SSH Secure Shell FTP: Windows
SSH Tectia Client: AIX, HP-UX, Linux, Solaris, Windows
SSH Tectia Connector: Windows
Stairways Interarchy: OS X
Transmit: OS X v.10.3 or higher
WinSCP (in SFTP mode): Windows

FTPS (FTP over SSL) Clients

bTrade TDAccess: AIX, AS/400, HP-UX, Linux, MVS, Solaris, Windows
C-Kermit FTP: AIX, QNX, UNIX, VMS
Cleo LexiCom: AS/400, Linux, UNIX, Windows
cURL: AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HPUX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows
FileZilla: Windows
GlobalSCAPE CuteFTP Pro: Windows
GLUB Secure FTP: Java
IBM z/OS Secure Sockets FTP: z/OS
IniCom FlashFXP (GUI v.3.0 or higher): Windows
Ipswitch WS_FTP Pro (GUI v.7.0 or higher): Windows
LFTP: AIX, MVS, Solaris, UNIX

MOVEit Central
Windows Vista Business Ed., 2003, XP Professional, 2000 Server

MOVEit Freely
Windows Vista Business Ed., 2003, XP, 2000, ME, 98, NT

Netkit: Linux, Solaris, UNIX
Rhino Voyager FTP: Windows
Seagull Secure FTP Pro: Windows
SmartFTP: Windows
SouthRiver Technologies WebDrive: Windows
Stairways Interarchy: OS X
Sterling Commerce Connect:Enterprise: Enterprise Command Line Client, UNIX, Windows
Surge SSLFTP: FreeBSD, Linux, Macintosh, Solaris, Windows
TrailBlazer ZMOD: OS/400
Tumbleweed SecureTransport Clients: UNIX, Windows
/n software IP*Works SSL: Windows

IPSWITCH
FILE TRANSFER

Compatible Secure File Transfer Clients

In addition to AS2, AS3, HTTPS, SFTP and SCP2-based secure file transfer clients, the following MOVEit and third-party FTPS clients can be used to securely exchange files with a MOVEit File Transfer.

FTPS (FTP over SSL) Clients

bTrade TDAccess: AIX, AS/400, HP-UX, Linux, MVS, Solaris, Windows

C-Kermit FTP: AIX, QNX, UNIX, VMS

Cleo LexiCom: AS/400, Linux, UNIX, Windows

cURL: AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HPUX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows

FileZilla: Windows

GlobalSCAPE CuteFTP Pro: Windows

GLUB Secure FTP: Java

IBM z/OS Secure Sockets FTP: z/OS

IniCom FlashFXP (GUI v.3.0 or higher): Windows

Ipswitch WS_FTP Pro (GUI v.7.0 or higher): Windows

LFTP: AIX, MVS, Solaris, UNIX

MOVEit Central

Windows Vista Business Ed., 2003, XP Professional, 2000 Server

MOVEit Freely

Windows Vista Business Ed., 2003, XP, 2000, ME, 98, NT

Netkit: Linux, Solaris, UNIX

Rhino Voyager FTP: Windows

Seagull Secure FTP Pro: Windows

SmartFTP: Windows

SouthRiver Technologies WebDrive: Windows

Stairways Interarchy: OS X

Sterling Commerce Connect:Enterprise: Enterprise Command Line Client, UNIX, Windows

Surge SSLFTP: FreeBSD, Linux, Macintosh, Solaris, Windows

TrailBlazer ZMOD: OS/400

Tumbleweed SecureTransport Clients: UNIX, Windows

/n software IP*Works SSL: Windows

FTPS (FTP over SSL) Clients

Cyberduck: OS X v.10.3 or higher

Cyclone Commerce Interchange: Solaris

FileZilla: Windows

F-Secure SSH (including SCP2): Solaris, UNIX, Windows

Fugu: OS X v.10.3 or higher

IBM Ported Tools (OpenSSH): z/OS

Ipswitch WS_FTP Pro

Windows

J2SSH: Java

MacSSH: OS X v.10.3 or higher

Magnetk sftpdrive: Windows

MOVEit Central

Windows Vista Business Ed., 2003, XP Professional, 2000 Server

NET::SFTP (uses Net::SSH::Perl): Linux

OpenSSH for sftp: MVS, OS X v.10.3 or higher, Solaris, UNIX, Windows, z/OS v.1.4 or higher

PuTTY PSCAP and PSFTP: Windows, Windows NT for Alpha

Rbrowser: OS X v.10.3 or higher

SouthRiver Technologies WebDrive: Windows

SSH FileSystem (SSHFS): Unix (requires OpenSSH and FUSE)

SSH Secure Shell FTP: Windows

SSH Tectia Client: AIX, HP-UX, Linux, Solaris, Windows

SSH Tectia Connector: Windows

Stairways Interarchy: OS X

Transmit: OS X v.10.3 or higher

WinSCP (in SFTP mode): Windows

Ipswitch File Transfer provides solutions that move, govern and secure business information between employees, business partners and customers. The company's proven solutions lead the industry in terms of ease of use, allowing companies of all sizes to take control of their sensitive and vital information and improve the speed of information flow. Ipswitch lets business and IT managers govern data transfers and file sharing with confidence and enable compliance by balancing the need for end user simplicity with the visibility and control required by IT. Ipswitch File Transfer solutions are trusted by thousands of organizations worldwide, including more than 90% of the Fortune 1000, government agencies, and millions of prosumers. For more information on Ipswitch File Transfer and its products, go to www.IpswitchFT.com.

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www.IpswitchFT.com